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The Students of Worcester Polytechnic Institute

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TECH NEWS

VOL. XVII

WORCESTER, MASS., NOV. 10, 1925

NO. 5

SOCCER TEAM DEFEATS AMHERST IN FAST GAME

Season Most Successful in History of Game at Tech---Sixth Win Out of Seven Starts

GRUMAN AIDED BY PASSWORK OF CAPT. MALLET AND NEUBAUER BOOTS BOTH WORCESTER GOALS—MORSE AND DRISCOLL STAVE OFF NUMEROUS SABRINA ATTEMPTS TO SCORE

Tech's soccer team added another to its string of victories Saturday by defeating Amherst College, 2 to 1. The visitors are rated as one of the fastest college teams in the east and Tech made a record by the victory. Speedy forwards and sterling work of the goalie and backs were the deciding factors. Although the Sabrinas managed to keep the ball on Tech's end of the field a good share of the time they were unable to work through a perfect defense. Morse played a splendid game at goal and it was his work as much as that of any man on the eleven which held Amherst to one tally.

Owing to a new intercollegiate ruling the game was played in four twenty-minute quarters, the teams changing sides each quarter.

The game started at one-thirty, Tech kicking off. From the very start, the play was fast as each aggregation knew they were up against an eleven worthy of their best efforts. During the first period Tech booted the sphere down the field again and again but failed to follow it up. In the second quarter things did not look so bright for the Boynton Hill supporters as the visiting forwards kept the play dangerously near the Tech goal. No scores were made during the first half.

During the last two quarters the Worcester boys clearly outplayed their opponents.

The last quarter started with Tech on the top of the heap. The ball was taken down the field unexpectedly immediately after the whistle and on a corner kick, Steele, Amherst center, made the only tally for the visitors. With the score tied the play never lagged, every man on his toes ready for a chance. Five minutes before the end of the game, Gruman made a long kick from one end which the Amherst goal tender could not reach. The team work of the trio, Neubauer, Captain Mallett and Gruman was responsible for the last goal as the ball was put into position and Gruman neatly kicked to goal.

With New Hampshire State playing the final game Saturday the engineers have an enviable record. Springfield is the only team to defeat the Crimson and Gray soccerites this season.

WORCESTER—2 1—AMHERST
Morse g _____ g Gray
Driscoll rb _____ lb Underwood
Jones lb _____ rb Roundy
Ungethnum rhb _____ lbh Libson
Wood chb _____ chb Knox
Lehtinen lhb _____ rhb Green
Liedholt irf _____ ilf Harlan
Erickson orf _____ ofc Bennett
Neubauer cf _____ cf Steele

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NEWMAN CLUB PLANS DANCE

H. Connor's "Black and White" Jazzers to Play

The biggest social event on the Hill before the holidays is the dance of the Newman Club, which is to be held on Thursday, December 5th. The scene of this colorful affair is to be the Alumni gymnasium, which will be decked in a fashion to suit the occasion. A large attendance is predicted, invitations having been extended to the Seniors of Holy Cross College. It goes without saying that the latch key is out for all Tech men, regardless of club affiliations. Their co-operation is looked for and their hearty response in support is expected.

Hugh Connor's "Black and White" artists of syncopation will officiate, and from all reports there are none better fitted to do so. This orchestra is quite well known to those who listen in on the Boston radio stations, having broadcasted from the station of the Edison Electric Illuminating Company, WEEI, during the past summer.

Arrangements are in charge of Robert Cashen, '26, of Worcester, with a number of capable assistants in the persons of A. E. Carey, '27, Worcester; Charles Thompson, '26, Worcester; John E. Driscoll, '28, Holyoke; and J. Rogers, '29, who promise to place this event on a par with all Tech socials.

DR. HERTY WILL SPEAK AT SECOND ASSEMBLY

Senior Class Officiate

Thursday, November 11, an assembly will be held in the gym and will be run by the Senior class. The speaker of the day will be Dr. Charles H. Herty, president of the Synthetic Organic Chemical Manufacturers' Association. Dr. Herty has studied at Johns Hopkins University, the University of Berlin and Zurich. He was professor of chemistry in the University of North Carolina from 1905 to 1916, editor of the Journal of Industrial and Engineering Chemistry from 1917 to 1921 and since then has been president of the company with which he is now affiliated.

We all remember the splendid talk given by Mr. E. D. Craft, of the Bell Telephone Laboratories at the assembly a month ago. The attendance was exceptionally good and we feel that at

(Continued on Page 3, Col. 3)

DR. BORING TALKS ON THE LAWS OF MEMORY

Interperse Study With Play

The third lecture by Dr. Boring of Harvard was given last Tuesday before the Freshmen and the usual large number of faculty members and men from the upper classes. The particular topic of this lecture was "The Laws of Memory" and the substance of the lecture is as follows.

Forgetting: We forget very rapidly at first and then more and more slowly. Theoretically we never forget, and actually it appears that some trace of all thorough learning lasts a lifetime. The practical rule is to overlearn, or even better to review after a time, so as to fix the memories where the passage of time does not affect them rapidly.

Distribution of learnings: It is better to distribute learnings, that is, to leave intervals between the readings of a given material. This is partly because attention is better when we come back fresh to each part of the material. It is also due to the fact that it is easier to strengthen old associations than new ones. This law means that, if a material is learned for recitations, reviewed before quizzes, and reviewed again before a final examination, it will be remembered better than if the same amount of time were spent upon it all at once. You can make your learning more efficient in preparing for a weekly recitation by going over the material first a week before, again a half a week before, and finally the evening before the recitation.

Learning by wholes and parts: Generally it is better to learn a connected material by going over it all at once and then again and again all together, than by breaking it up into parts. You must decide for yourself when to learn by wholes and when by parts.

"Never" make a mistake in learning: If you learn something wrong, then you have first of all the work of unlearning it, and after that all the work of learning it correctly. A mistake in learning requires three times as much work in the end. If you are learning by going over something in your mind and find you are in doubt about it, stop. You may be learning it wrong.

Mental work after learning tends to weaken the learning and the effect is greatest when the mental work is most like the learning. Do not turn to calculus after analytics, or to mechanics after physics, unless they are really related.

The ideal is to intersperse study with play, instead of doing all of each at one time. Plan your days.

CALENDAR

Wednesday—Basketball.
A. T. O.—T. U. O.
S. A. E.—L. C. A.
Thursday, Tech News Association Meeting.
Friday—Basketball.
T. U. O.—P. S. K.
A. T. O.—P. G. D.
Saturday—Football Game—Sophomores vs. Freshmen.
Soccer—Tech vs. N. H. State.

TECH BEATS LOWELL IN HARD-FOUGHT GAME

Dick Converse Gets Loose For 96 Yard Dash
Lowell Shows Strong Running Game

VICTORY IS THIRD OF SEASON AND SECOND STRAIGHT OVER LOWELL—DAHL AND GUIDI PLAY STELLAR DEFENSIVE GAME—CAPT. BROSNAN STARS FOR LOWELL



GUIDI MAKES TWENTY YARDS ON FORWARD

DRAMATIC ASSOCIATION GOES TO SO. HADLEY

Establish New Precedent

The Dramatic Association will produce the play, "The Three Wise Fools" on the evening of Friday, November 13, in South Hadley, Mass. This is the first time in the history of the Masque that the players have put on a show outside of Worcester and at this time of the year. The establishment of this precedent will do great things for Tech in an advertising way.

This first outside production is in the nature of an experiment and as such is being watched with great interest not only by Tech but by all those interested in her advancement as well.

The Three Wise Fools went big as the spring play of last year and the same cast will produce it this Friday night. It is rumored that if the play is received well in South Hadley it may be produced in Holyoke. Reports have it that a pre-write-up on the play in the Mt. Holyoke College News indicate a large delegation from that college will be present.

The Tech Crescents will furnish music for dancing after the show.

NEWS ASSOCIATION MEETS THURSDAY AT FIVE

The Tech News Association will hold a meeting in B. 19 Thursday at five o'clock for the purpose of considering the new Constitution which has been presented by the officers.

It was published in one of the recent issues of the NEWS and should be read over carefully by those who expect to attend the meeting.

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Playing real football against a team that was far heavier and which had the advantage of being on their home field, the Crimson and Gray came smashing through in the most spectacular game of the season. The student body backed the team to the utmost and so many were there that the Tech stands groaned under the weight. Much credit should go to every member of the team for the clean, hard playing which they, as a whole, exhibited.

In the first quarter, Lowell kicked to Worcester, and after a series of plays, Tech forced Lowell to a safety thus leaving the score 2 to 0 in our favor. After this the ball went back and forth for a time with neither side gaining very much. Lowell now had the ball and punted. "Dick" Converse received and ran the ball back thirty yards before he was stopped. The next play was a pass with "Joe" Guidi receiving, netting about twenty yards. The ball was now on Lowell's 5-yard line and on the fourth play, after three line bucks, Converse took it over the line on an off tackle drive. The Tech rooters went wild when the extra point was made by a forward, Converse to Guidi.

Lowell now received and took the ball down the field on straight football in which their extra weight told on our boys. Tech got the ball on their 5-yard line and punted. Worcester was here penalized fifteen yards for tackling on a fair catch. Lowell then pushed the ball over our line for their first and only score. The ball was neatly dropped over for the extra point. Lowell now kicked off and Worcester lost the ball on a fumble. Lowell was penalized five yards and soon after we got the ball on a fumble. The half ended Tech 9, Lowell 7.

The third quarter started with Lowell kicking to Tech. After a series

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Spencer, Mass.

November 10, 1925

PARKING RULES A JOKE?

Certain parking rules were recently prescribed at the Institute to eliminate traffic congestion and to enhance the beauty of the campus. They were published in the November 3 issue of the TECH NEWS in plain English with little chance for misunderstanding them. In view of the general violation of the new rules we wish to reiterate: Students are requested not to park cars on the campus south of the north line of Washburn Shops. This rule allows student cars between Washburn Shops and Salisbury Laboratories, north of Salisbury Laboratories and in the parking space between the tennis courts and soccer field.

The day following the publishing of the rules the whole eastern side of the Washburn Shops was crowded with parked cars, in clear disregard of the new regulations. Since the beginning of the year we have talked support, backing and loyalty for our new president, yet not three weeks from the time of his inauguration, in the comparatively trifling matter of parking rules we show utter disregard and lack of willingness to co-operate.

There are among us here at Tech a certain group of thoughtless, carefree students displaying an "I don't care" attitude that shows up in their marks as well as their other actions on the Hill. There is continually going on at the college that slow process of segregation which is eliminating slowly but surely those men who are not qualified to be college men. It is a force of tremendous potentiality. It is constantly at work. Only as the small seemingly inconsequential and trivial problems of each day are met squarely and mastered, then and only then can we win in the problems of greater import. And so it is in the small matter of parking cars. You who have heedlessly paid no attention to the wishes of the Institute in this matter will do well to take heed in the future if you would avoid unpleasant circumstances. Cheerfully co-operate with President Earle in this matter and you will not only help increase the beauty of this naturally lovely campus but you will give him confidence in his efforts to advance Tech along lines of greater undertakings.

We would like to assume that the trouble has grown out of nothing more serious than a misinterpretation of the rules. But they were so clearly stated in the last issue of the NEWS that there is little or no excuse for

any such misinterpretation. Even though you don't read your college paper the rules have been posted about the buildings and if you have normal intelligence you must have read them understandingly.

Then there is the matter of observing the grass and hedge in front of the entrance to the Gym. So many cars were parked on the concrete and on the grass Hallowe'en night at the occasion of the Musical Association dance, that it will be difficult to keep the approach to the gym looking as it should look on Commencement day.

Carte du Jour

Now, Phideas Krinkle, early in his college course, would have no frills, either as regards scholarship and studies, or equipment. Hence, we found him (that is, some one did) buying a pen for \$1.37 — today only — and putting the difference between that and the price of a Parker Duofold in books — good books, too, let it be understood. And passing charitably over some profane lapses, he got along with it till graduation, and then some. We're liberal — it would make a mark when you pressed it, frequently. But Krinkle, with this penny-grasping trait, went bankrupt three years after graduation. And he never did amount to much after.

Jack Free, on the other hand, had an eye to quality, beauty, and — oh yes — quality. His second week in college found him with a Parker Duofold. Makes no difference if he did steal it — he knew what sort to steal, and the victim bought another Parker, anyway. Well, to coin a phrase, that was just like Jack, and he graduated and signed his first check with a flourish and a Parker. And, due, it must be admitted in fairness by all, to this belief and insistence on quality at all costs, he went stony broke in two years.

So there really was little advantage in the Parker Duofold over the orphan-pen, except having something decent to write with during the period mentioned.

FRATERNITY NOTES

Phi Gamma Delta

Phi Gamma Delta wishes to announce the pledging of the following members of the class of 1929: Lawrence B. Barnerd, William Bateman, Allan A. Brighton, Merrill Dix, Charles E. Porter, E. Philip Sawyer, Frederick L. Speer, William P. Thompson.

Alpha Tau Omega

Alpha Tau Omega wishes to announce the pledging of the following men, all of the class of 1929: John E. Gill, Herbert T. Grimshaw, Lincoln B. Hathaway, Robert S. Heald, Lester N. Heon, William R. Hutton, Allen S. Johnson, Ernest W. Parmenter, Henry A. Pearson, Clifford S. Ray, Francis Wiesman.

Sigma Alpha Epsilon

Sigma Alpha Epsilon wishes to announce the pledging of the following men, all of the class of 1928: Daniel R. Leamy, Lavern F. Pultz, Joseph R. Rogers, Stanley J. Slater, Wilford A.

Sutthill, Harold D. Stake, Leonard H. Scott, Ellis H. Whitaker.

Brothers W. T. Montague, '12, W. W. Armour, '10, and C. B. Price, '13, were guests of the house last Wednesday evening.

Theta Chi

Theta Chi wishes to announce the pledging of the following members of the class of 1929: Clifford Broker, Arnold Cook, Holbrook Horton, Arthur Knight, Edson Merrill and Leslie Miller.

Phi Sigma Kappa

Phi Sigma Kappa wishes to announce the pledging of Wayne S. Berry, Walter L. Nordling and John Vangor, of the class of '28, and Frederick G. Baldwin, Albert S. Corbin, Herbert W. Davis, Lawrence Gilbert Farwell, Stanley Holland, Allen Hastings, Carl A. Gruman, Frank R. Joslin, Donald P. Prescott, Sydney F. Spencer and Charles Young, all of the class of '29.

Lambda Chi Alpha

Lambda Chi Alpha announces the

pledging of the following men: Lester Frank, Frank French, Halbert Pierce, Russell C. Wiley and J. Horace Williams, all of the class of 1929.

Theta Upsilon Omega

Theta Upsilon Omega wishes to announce the pledging of John D. Putnam of the class of 1929.

A. I. E. E. MEETS—OFFICERS CHOSEN

Next Friday afternoon, November 13, at five o'clock sharp, there will be a meeting of the Student A. I. E. E. at the Institute in the Electrical Engineering lecture room. This meeting is to complete the organization of the student branch here and to discuss plans for future work.

A preliminary organization meeting was held on Tuesday, October 27, at which the following officers were elected: president, O. H. Brewster, '26; vice president, D. A. Calder, '27; secretary, R. A. Beth, '27; and Treasurer, J. F. Wood, '27. A committee was appointed to draw up a constitution.

Information and student application blanks may be obtained from Mr. H. A. Maxfield, or from the secretary.



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- secret of the scholarship prize that might more easily have been allowed to slip by in favor of the twittering birds and the flowers that bloom in the Spring.
- secret of the electrical short cut devised by the engineer too intent on that single task to let the thousand and one time-killers of the business day get the upper hand.

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INTERFRATERNITY BASKETBALL SCHEDULE ANNOUNCED

The interfraternity basketball tournament is held annually before the basketball season to help show up promising men. The schedule will be as follows:

November 9

L. C. A.—T. C.
P. G. D.—P. S. K.

November 11

A. T. O.—T. U. O.
S. A. E.—L. C. A.

November 13

T. U. O.—P. S. K.
A. T. O.—P. G. D.

November 16

L. C. A.—P. G. D.
T. C.—S. A. E.

November 18

A. T. O.—T. C.
T. U. O.—P. G. D.

November 20

P. S. K.—S. A. E.
L. C. A.—T. U. O.

November 23

P. S. K.—T. C.
S. A. E.—A. T. O.

November 25

T. C.—P. G. D.

November 30

L. C. A.—A. T. O.
P. G. D.—S. A. E.

December 2

S. A. E.—T. U. O.
A. T. O.—P. S. K.

December 4

P. S. K.—L. C. A.
T. C.—T. U. O.

Each team will be allowed two postponed games which must be played off within one week after the scheduled date, or the games will be forfeited by the team postponing the games. Men who have won their first team letter in basketball are ineligible to play in this series. The games will consist of fifteen minute halves and will be refereed by Mr. I. E. Bigler.

M. E. NOTES

A complete set of wrenches has just been given to the department by I. O. Mossberg, ex-'18. This set includes S wrenches in assorted sizes and socket wrenches with universal joints, and ratchet attachment. This set is to be placed in the tool room of the M. E. building for student use.

OUR RUSHING SYSTEM

Worcester Tech is blessed with a much finer spirit of co-operation among her fraternities than are many of our institutions of learning. We feel that no small part of this spirit is due to the tact and insight of the faculty members of the Interfraternity Council as well as to the desire of the best men in all the houses to play the game fairly and squarely.

One instance of the Council's effectiveness is the rushing system, which, under its present rulings, is an incalculable advantage to new men as well as to fraternities on the Hill. We know directly of colleges where there is no rushing agreement and we know by hearsay of the old days at Tech before the rushing agreement came in. By the old system of "cut throat" rushing everything was open from the first day of registration and even before. Fraternities had to choose by looks mostly, without inquiring into a man's character or personality further, or else lose out in the competition for new men. On the other hand, the men themselves had little opportunity to look over the various groups in order to choose the one where they would fit the best. Probably, most of them never realized at the time the significance of the step they were taking, in pledging to a fraternity.

There are several systems in use to remedy this undesirable feature in various colleges and our own is a fair representative.

The system in force at one of the nearby small colleges provides that each man who has been rushed by any fraternity make a list of those from which he would accept bids in the order of his preference. These lists are taken in sealed envelopes to a lawyer, to whom are also sent the bids made out by the fraternities. The lawyer can then determine by a comparison of lists the men who will pledge to each fraternity.

By this method the pledges need not know what other fraternities bid them. It also eliminates the agony and brainstorm some fellows have to go through to make their choice in one hour.

Is there anything in this arrangement which could be used to improve our own?

CAMERA CLUB TO HEAR TWO EXPERTS

Professor Lee Russell, W. P. I., '88, will talk to the Camera Club on Tuesday, November 10. Professor Russell is now teacher of science at the Worcester State Normal School. His subject will be "Negatives, and how to develop them."

On the following Tuesday, November 17, Professor H. B. Smith of the electrical engineering department will give a talk to the club in the E. E. lecture room. Professor Smith will accompany his talks with photographic slides of his trip around the world. The Worcester Photo Clan and the Norton Camera Club will be guests of the Camera Club at this meeting. Any students that are interested in photography are also invited.

ASSEMBLY

(Continued from Page 1, Col. 2)

this meeting it should be equally so. Through the generosity of Henry J. Fuller of the board of trustees and of the class of '95 men of nation-wide distinction are being obtained to address the students at all assemblies

FALL PLANS

Now that you are laying fall plans for your fall refurnishing, why not take us into your confidence? We are prepared to satisfy almost any furnishing need, and in case some individual piece is required, we are always glad to order it especially for you. Do not hesitate to call upon us or ask us for advice, free of charge.

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**SENIOR CHEMISTS VISIT SEW-
AGE PLANT**

The Senior Chemists who are examining water and sewage as a part of their work in Sanitary Chemistry, accompanied by Mr. Holmstrom, Superintendent of the Worcester Sewage Department, Professor W. L. Jennings and Dr. M. E. Smith, visited the Worcester Sewage Reduction Plant, Saturday morning. Starting at the old plant, Mr. Holmstrom showed the class the old chemical precipitation plant, sand filters and then the new Imhoff tank system and sprinkling filters, describing the process of treatment by tank and sprinkling filter to obtain a non-putrescible effluent. Through the courtesy of the staff of the Control Laboratory, the class was shown the analytical methods employed to check the efficiency of the purification system.

AMHERST SOCCER

(Continued from Page 1, Col. 1)
Mallett of (Capt.) — (Capt.) of Holt Gruman if — if Harford
Goals: Gruman 2, Steele. Substitutions: Farwell for Liedholt, Kieth for Knox, Ramey for Harford. Referee, Tom Harrison.

NEWS ASSOCIATION

(Continued from Page 1, Col. 4)
As the revised Constitution now stands, there are many radical departures from the old Constitution and careful consideration of the various changes should be made before venturing an opinion on the subject. All members of the association should be present.
Special provision has been made for officers such as staff photographer, etc., and at this meeting it is planned to elect a man to that office.

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TECH TROUNCES LOWELL 15 TO 7

(Continued from Page 1, Col. 5)
of plays netting little gain, Worcester punted. Lowell fumbled soon after and Tech recovered the ball at the 50-yard mark. Lowell then intercepted a forward by Tech and ran it back about ten yards. On line plunging Lowell then went down the field and finally punted. Converse then made the most sensational play of the game by catching the ball on his 4-yard line, and while the Lowell stands were as silent as a cemetery, aided by brilliant interference, raced down the field for a touchdown. The drop for the extra point failed and the quarter ended with Worcester still ahead 15 to 7.

The fourth quarter started off with an exchange of punts followed by a series of plays which gained little for Tech. After a few loose plays, Lowell started up the field one more, and, as it was getting rather dark, the plays were hard to watch. Worcester finally got the ball on their 10-yard line and held Lowell. The game ended here and immediately our rooters went wild, and, dashing across the field, carried our warriors off the field on their shoulders.

WORCESTER Wendin, Freeman le — re Coffey Angeles, Lester It — rt Conant, Biggi Delano, Shakour lg
rg Smith, Skinner, Fairweather, Dolan Lewis c — c Bentley Dimick rg — lg Cladwin, Ramsbotham Carlson rt — It Bedding, Peterson Dahl re — le Capt. Brosnan Whittemore qb

qb Frederickson, Corbett Moran lbh
rhh, Lussier, Guild, Maguire, Burt Guidi rhh — lbh Shea, Walker, Guild Converse fb
fb Harkin, Mackinnon, Walker Touchdowns: Converse 2, Guild. Points after touchdown: Walker and Guidi. Safety, Shea. Referee, Ferguson, Harvard. Umpire, Crawford, Villanova. Head linesman, Churchill, Ohio Wesleyan. Time, four 15-minute periods.

CLASS MEETINGS

The Seniors held a class meeting Tuesday and balloted for a secretary. Unfortunately it resulted in no election.

The Junior class held a meeting Wednesday and the following officers were elected: Ranald C. Jones, president; Ellsworth Ungethuen, vice president; Purdy P. Meigs, secretary, and Joseph M. Miles, treasurer.

At a meeting of the Sophomore class, held on Thursday, "Joe" Guidi was elected captain of the Sophomore football team. The class has challenged the Freshmen to a game, which is to be played Saturday afternoon, November 14th, at 2.30, on the athletic field. The Freshmen have challenged the Sophomore rifle team to a match, the date has not been fixed as yet.

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Little puzzle for today. Could Tech's soccer team beat Dartmouth? Tech beat Amherst 2-1, and Amherst tied Dartmouth, but Tech beat M. I. T. 2-1, while Dartmouth swamped M. I. T. 10-1.

Someone said the other day that enough Tech rooters paid admission at Lowell to cover the guarantee and net Lowell a neat profit. Who said there wasn't any Tech spirit?

Clark beat New Hampshire, and Tech beat Clark, but N. H. won from M. I. T. and so did Tech. Therefore, you can expect to see another real soccer contest next Saturday.

A Tech football team that can win half its games is one deserving a great deal of praise if you consider the handicap of short practice time and scanty material.

Saturday's win gives the eleven its best record since 1906 when three wins were also listed on the records. The opposition for that year, however, included two academy teams and can hardly be classed on a par with that provided by the 1925 schedule.

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